

Converting Colors

$Y_{xy}(39.0177, 0.5125, 0.3937)$

Have a look what the booklet for
Yxy(39.0177, 0.5125, 0.3937)
contains.

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Color

Yxy(38.9249, 0.5130, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	FF873D
RGB	255, 135, 61
RGB Percent	100%, 53%, 24%
CMY	0.0000, 0.4706, 0.7609
CMYK	0.00, 0.47, 0.76, 0.00
HSL	23°, 100%, 62%
HSV	23°, 76%, 100%
XYZ	50.7458, 38.9249, 9.2490
YIQ	162.4440, 95.2740, 2.4260

Conversions

Conversions Part 2

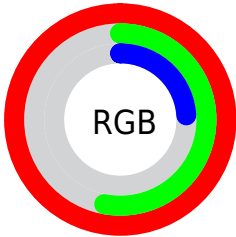
Format	Color
R _Y B	255, 181, 61
Decimal	16746301
CIE Lab	68.70, 40.55, 58.11
CIE LCh	69, 70.862, 55.092
Yxy	38.9249, 0.5130, 0.3935
Android (android.graphics.Color)	4294936381 (0xFFFF873D)
YUV	162.4440, -50.0119, 81.1716
Hunter-Lab	62.3898, 36.0038, 34.8834

Details

The Yxy color **38.9249, 0.5130, 0.3935** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **41.2431, 0.2046, 0.2312**, and the grayscale version is **36.5567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2792, 0.4300, 0.4069**, and **17.3952, 0.5605, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **34.6348, 0.5438, 0.3910**, and if you desaturate by 10%, it is **44.0014, 0.4796, 0.3910**.

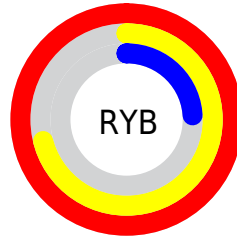
Distribution



Red (100%)

Green (53%)

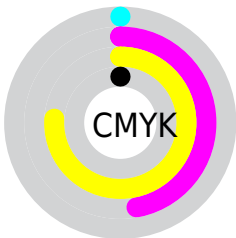
Blue (24%)



Red (100%)

Yellow (71%)

Blue (24%)

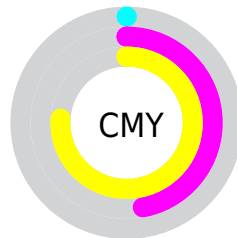


Cyan (0%)

Magenta (47%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9249, 0.5130, 0.3935 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.9249, 0.5130, 0.3935 by changing the saturation by 10% instead.


 38.9249, 0.5130,
0.3935


 38.9249, 0.5130,
0.3935


341.5711, 0.4143,
0.3725


 26.7013, 0.5348,
0.3942


 73.5236, 0.4788,
0.3891

 17.3490, 0.5606,
0.3925


 96.6675, 0.4653,
0.3865


 10.4836, 0.5913,
0.3865


 124.2202, 0.4538,
0.3838

 5.7208, 0.6277,
0.3723

 156.5663, 0.4437,
0.3813

 2.6761, 0.6613,
0.3387

 194.0900, 0.4350,
0.3788

 0.9650, 0.7145,
0.2855

237.1757, 0.4273,

 0.0000, 1.0000,

0.3766

0.0000

286.2080, 0.4204,
0.3744

■ 0.0000, 0.0000,
0.0000

■ 38.9249, 0.5130,
0.3935

■ 38.9249, 0.5130,
0.3935

■ 34.6348, 0.5438,
0.3910

■ 44.0014, 0.4796,
0.3910

■ 31.0760, 0.5694,
0.3831

■ 49.9013, 0.4464,
0.3847

■ 29.8657, 0.5782,
0.3791

■ 56.6658, 0.4152,
0.3759

■ 64.3313, 0.3870,
0.3658

■ 72.9318, 0.3623,
0.3552

82.4994, 0.3409,
0.3448

93.0645, 0.3225,
0.3348

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9249, 0.4999, 0.3236



38.9249, 0.5130, 0.3935



38.9249, 0.4648, 0.4654

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.9249, 0.5130, 0.3935



38.9249, 0.2030, 0.4069



38.9249, 0.2210, 0.1834

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.9249, 0.5130, 0.3935



41.2431, 0.2046, 0.2312

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.9249, 0.1656, 0.1832



38.9249, 0.5130, 0.3935



38.9249, 0.1547, 0.2906

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.9249, 0.5130, 0.3935



38.9249, 0.2860, 0.5062



38.9249, 0.1438, 0.2154



38.9249, 0.3116, 0.2105

Rectangle

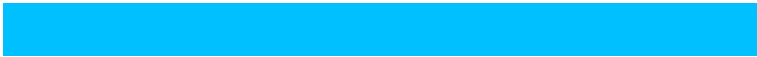
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.9249, 0.5130, 0.3935



38.9249, 0.4115, 0.5058



38.9249, 0.1438, 0.2154



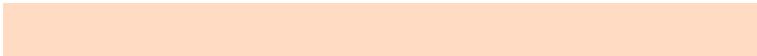
38.9249, 0.1985, 0.1802

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.9270, 0.5130, 0.3935



75.7837, 0.3553, 0.3520



28.0489, 0.4041, 0.2199



15.5092, 0.3635, 0.3558



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9270, 0.5130, 0.3935



32.7992, 0.5572, 0.3878



77.7068, 0.4288, 0.4751



19.1231, 0.3285, 0.3381



15.8710, 0.5752, 0.3815



1.7484, 0.5540, 0.3983

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.2431, 0.2046, 0.2312



34.8391, 0.1928, 0.2091



15.0018, 0.1736, 0.1114



19.2488, 0.2979, 0.3197



16.7936, 0.1885, 0.1986



1.8464, 0.1931, 0.2150

Previews

White Background



This preview shows how the Yxy color 38.9249, 0.5130, 0.3935 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.9249, 0.5130, 0.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9249, 0.5130, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 38.9249, 0.5130, 0.3935.



This preview shows how white text looks on a background with the Yxy color 38.9249, 0.5130, 0.3935.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.9249, 0.5130, 0.3935

Protanopia

39.0123, 0.4137, 0.4533

Deuteranopia

39.1096, 0.4531, 0.4451



Tritanopia

38.7955, 0.4430, 0.3202

Trichromacy



Original Color

38.9249, 0.5130, 0.3935

Protanomaly

38.1792, 0.4510, 0.4299

Deuteranomaly

38.5974, 0.4754, 0.4250

Tritanomaly

38.6184, 0.4732, 0.3503

Monochromacy



Original Color

38.9249, 0.5130, 0.3935

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.6729, 0.3859, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9249, 0.5130, 0.3935 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 135, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 61)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 135, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 61) }
```

Border

The CSS property to change the border of an element to Yxy 38.9249, 0.5130, 0.3935 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 135, 61) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 135, 61) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 135, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9249, 0.5130, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 61) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
135, 61) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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